WEST

Help | Logout | Interrupt

Main Menu | Search Form | Posting Counts | Show S Numbers | Edit S Numbers | Preferences

Search Results -

Terms	Documents
12 and standard and weight and mass spectrometry	2

Database:
- US Patents Full-Text Database
- US Pre-Grant Publication Full-Text Database
- JPO Abstracts Database
- EPO Abstracts Database
- Derwent World Patents Index
- IBM Technical Disclosure Bulletins

Refine Search: `12 and standard and weight and mass spectrometry` Clear

Search History

Today's Date: 10/24/2001

DB Name	Query	Hit Count	Set Name
USPT	12 and standard and weight and mass spectrometry	2	L3
USPT	11 and standard	4	L2
USPT	5607859	4	L1

(FILE 'HOME' ENTERED AT 11:04:24 ON 24 OCT 2001)

INDEX 'ADISALERTS, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 11:07:23 ON 24 OCT 2001

SEA STABLE ISOTOPE LABEL?

7	FILE ADISALERTS
32	FILE AGRICOLA
65	FILE ANABSTR
11	FILE AQUASCI
12	FILE BIOBUSINESS
4	FILE BIOCOMMERCE
477	FILE BIOSIS
25	FILE BIOTECHABS
25	FILE BIOTECHDS
82	FILE BIOTECHNO
97	FILE CABA
24	FILE CANCERLIT
701	FILE CAPLUS
6	FILE CEABA-VTB
16	FILE CEN
6	FILE CIN
25	FILE CONFSCI
10	FILE CROPU
26	FILE DDFB
68	FILE DDFU
14	FILE DGENE
26	FILE DRUGB
91	FILE DRUGU
5	FILE EMBAL
411	FILE EMBASE
154	FILE ESBIOBASE
22	FILE FROSTI
12	FILE FSTA
3	FILE HEALSAFE
5	FILE IFIPAT
67	FILE JICST-EPLUS
72	FILE LIFESCI
377	FILE MEDLINE
10	FILE NIOSHTIC
16	FILE NTIS
4	FILE OCEAN
208	FILE PASCAL
2	FILE PHIN
13	FILE PROMT
473	FILE SCISEARCH
1	FILE SYNTHLINE
238	FILE TOXLIT
34	FILE USPATFULL
15	FILE WPIDS
15	FILE WPINDEX

L1 QUE STABLE ISOTOPE LABEL?

SEA L1 AND WEIGHT SHIFT

```
                ---------
L2               QUE L1 AND WEIGHT SHIFT
                ---------
                 SEA L1 AND ISOTOPE(25W)SHIFT
                ---------
                1    FILE DDFU
                1    FILE DRUGU
                1    FILE EMBASE
                1    FILE MEDLINE
L3               QUE L1 AND ISOTOPE(25W) SHIFT
                ---------

     FILE 'DRUGU, EMBASE, MEDLINE' ENTERED AT 11:20:47 ON 24 OCT 2001
L4             3 S L1 AND ISOTOPE(25W)SHIFT
L5             1 DUP REM L4  (2 DUPLICATES REMOVED)
```

(FILE 'HOME' ENTERED AT 07:37:55 ON 24 OCT 2001)

INDEX 'ADISALERTS, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 07:38:10 ON 24 OCT 2001

SEA CONTROL AND MASS SPECTROMET?

22	FILE ADISALERTS
1	FILE ADISINSIGHT
2	FILE ADISNEWS
296	FILE AGRICOLA
615	FILE ANABSTR
143	FILE AQUASCI
475	FILE BIOBUSINESS
8	FILE BIOCOMMERCE
5815	FILE BIOSIS
89	FILE BIOTECHABS
89	FILE BIOTECHDS
834	FILE BIOTECHNO
602	FILE CABA
258	FILE CANCERLIT
5472	FILE CAPLUS
250	FILE CEABA-VTB
216	FILE CEN
7	FILE CIN
27	FILE CONFSCI
18	FILE CROPB
51	FILE CROPU
7	FILE DDFB
77	FILE DDFU
40	FILE DGENE
7	FILE DRUGB
255	FILE DRUGU
1	FILE DRUGUPDATES
45	FILE EMBAL
2853	FILE EMBASE
1143	FILE ESBIOBASE
207	FILE FROSTI
103	FILE FSTA
48	FILE HEALSAFE
419	FILE IFIPAT
682	FILE JICST-EPLUS
8	FILE KOSMET
534	FILE LIFESCI
3	FILE MEDICONF
2296	FILE MEDLINE
250	FILE NIOSHTIC
696	FILE NTIS
28	FILE OCEAN
3308	FILE PASCAL
17	FILE PHIN
858	FILE PROMT
3171	FILE SCISEARCH
1116	FILE TOXLIT
11069	FILE USPATFULL

```
              662   FILE WPIDS
              662   FILE WPINDEX
L1               QUE CONTROL AND MASS SPECTROMET?
                 ---------
                 SEA L1 AND CONTROL(25W)WEIGHT
                 ---------
                 1   FILE AGRICOLA
                 3   FILE ANABSTR
                 1   FILE BIOBUSINESS
                33   FILE BIOSIS
                 6   FILE BIOTECHNO
                 4   FILE CABA
                 4   FILE CANCERLIT
                 1   FILE CAPLUS
                 SEA L1 AND CONTROL(25W)(WEIGHT OR MW)
                 ---------
                 1   FILE AGRICOLA
                 3   FILE ANABSTR
                 1   FILE BIOBUSINESS
                35   FILE BIOSIS
                 7   FILE BIOTECHNO
                 4   FILE CABA
                 4   FILE CANCERLIT
                 2   FILE CAPLUS
                 3   FILE CEN
                 1   FILE DDFU
                 4   FILE DRUGU
                34   FILE EMBASE
                18   FILE ESBIOBASE
                 3   FILE FROSTI
                 1   FILE IFIPAT
                 2   FILE JICST-EPLUS
                 6   FILE LIFESCI
                29   FILE MEDLINE
                 3   FILE NIOSHTIC
                 4   FILE NTIS
                21   FILE PASCAL
                 5   FILE PROMT
                36   FILE SCISEARCH
                 1   FILE TOXLIT
               641   FILE USPATFULL
                 2   FILE WPIDS
                 2   FILE WPINDEX
L2               QUE L1 AND CONTROL(25W)(WEIGHT OR MW)
                 ---------
                 SEA L2 AND CONTROL(10W)(WEIGHT OR MW)
                 ---------
                 1   FILE ANABSTR
                 1   FILE BIOBUSINESS
                15   FILE BIOSIS
                 3   FILE BIOTECHNO
                 1   FILE CABA
                 2   FILE CANCERLIT
                 2   FILE CAPLUS
                 3   FILE CEN
                 3   FILE DRUGU
                20   FILE EMBASE
                 8   FILE ESBIOBASE
                 1   FILE FROSTI
                 1   FILE JICST-EPLUS
                 1   FILE LIFESCI
                14   FILE MEDLINE
                 1   FILE NIOSHTIC
                 1   FILE NTIS
                 6   FILE PASCAL
                 3   FILE PROMT
```

```
              19   FILE SCISEARCH
               1   FILE TOXLIT
             262   FILE USPATFULL
               2   FILE WPIDS
               2   FILE WPINDEX
L3              QUE L2 AND CONTROL(10W)(WEIGHT OR MW)
                ---------
                SEA L3 AND (WEIGHT OR MW)(25W)(SHIFT? OR CHANG? OR MODIF?)
                ---------
               1   FILE BIOSIS
               1   FILE DRUGU
               1   FILE EMBASE
               1   FILE MEDLINE
               1   FILE PROMT
               1   FILE SCISEARCH
              52   FILE USPATFULL
L4              QUE L3 AND (WEIGHT OR MW)(25W)(SHIFT? OR CHANG? OR MODIF?)
                ---------
                SEA L4 AND CONTROL(25W)MASS SPECTRO?
                ---------
               1   FILE PROMT
               1   FILE USPATFULL
L5              QUE L4 AND CONTROL(25W) MASS SPECTRO?
                ---------

     FILE 'PROMT, USPATFULL' ENTERED AT 07:51:51 ON 24 OCT 2001
L6            2 S L4 AND CONTROL(25W)MASS SPECTRO?
```

L2 ANSWER 1 OF 1 USPATFULL
AN 94:37865 USPATFULL
TI Serum with reduced levels of steroids
IN Lensmeyer, Gary L., Fitchburg, WI, United States
PA Wisconsin Alumni Research Foundation, Madison, WI, United States (U.S. corporation)
PI US 5308768 19940503
AI US 93-46681 19930413 (8)
DT Utility
LN.CNT 556
INCL INCLM: 436/016.000
INCLS: 436/017.000; 436/018.000; 436/817.000
NCL NCLM: 436/016.000
NCLS: 436/017.000; 436/018.000; 436/817.000
IC [5]
ICM: G01N033-78
ICS: G01N033-96
EXF 436/8; 436/16; 436/17; 436/18; 436/817; 252/408.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

```
            925   FILE SCISEARCH
             63   FILE TOXLIT
            693   FILE USPATFULL
             52   FILE WPIDS
             52   FILE WPINDEX
L2             QUE STANDARD?(25W) MASS SPECTROMET?
               ---------
               SEA L2 AND STANDARD?(25W)(WEIGHT OR MW)
               ---------
              3   FILE AGRICOLA
              1   FILE AQUASCI
              2   FILE BIOBUSINESS
             16   FILE BIOSIS
              2   FILE BIOTECHNO
              3   FILE CABA
              1   FILE CANCERLIT
              1   FILE DRUGU
              7   FILE EMBASE
              3   FILE ESBIOBASE
              1   FILE LIFESCI
             11   FILE MEDLINE
              1   FILE NTIS
              2   FILE PASCAL
              1   FILE PROMT
             13   FILE SCISEARCH
             38   FILE USPATFULL
              2   FILE WPIDS
              2   FILE WPINDEX
L3             QUE L2 AND STANDARD?(25W)(WEIGHT OR MW)
               ---------
               SEA L3 AND (WEIGHT OR MW)(25W)(SHIFT? OR CHANG? OR MODIF?)
               ---------
              1   FILE PROMT
              4   FILE USPATFULL
L4             QUE L3 AND (WEIGHT OR MW)(25W)(SHIFT? OR CHANG? OR MODIF?)
               ---------

     FILE 'USPATFULL, PROMT' ENTERED AT 08:44:22 ON 24 OCT 2001
L5           5 S L3 AND (WEIGHT OR MW)(25W)(SHIFT? OR CHANG? OR MODIF?)
L6           5 DUP REM L5 (0 DUPLICATES REMOVED)
```

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     (FILE 'HOME' ENTERED AT 08:33:01 ON 24 OCT 2001)

     INDEX 'ADISALERTS, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,
     BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO,
CABA,
     CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,
     DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 08:33:44 ON
     24 OCT 2001
                SEA STANDARD(25W)MASS SPRECTROMET?
               ---------
L1              QUE STANDARD(25W) MASS SPRECTROMET?
               ---------
                SEA STANDARD?(25W)MASS SPRECTROMET?
               ---------
                SEA STANDARD?(25W)MASS SPECTROMET?
               ---------
                 1   FILE ADISALERTS
                62   FILE AGRICOLA
               213   FILE ANABSTR
                33   FILE AQUASCI
                65   FILE BIOBUSINESS
                 1   FILE BIOCOMMERCE
               912   FILE BIOSIS
                 4   FILE BIOTECHABS
                 4   FILE BIOTECHDS
               154   FILE BIOTECHNO
               124   FILE CABA
                54   FILE CANCERLIT
               593   FILE CAPLUS
                16   FILE CEABA-VTB
                13   FILE CEN
                 1   FILE CIN
                10   FILE CONFSCI
                 7   FILE CROPB
                15   FILE CROPU
                11   FILE DDFB
                28   FILE DDFU
                11   FILE DRUGB
                75   FILE DRUGU
                16   FILE EMBAL
               765   FILE EMBASE
               291   FILE ESBIOBASE
                35   FILE FROSTI
                14   FILE FSTA
                11   FILE HEALSAFE
                21   FILE IFIPAT
                72   FILE JICST-EPLUS
                 1   FILE KOSMET
               150   FILE LIFESCI
               697   FILE MEDLINE
                95   FILE NIOSHTIC
               194   FILE NTIS
                 7   FILE OCEAN
               472   FILE PASCAL
                 1   FILE PHAR
                 3   FILE PHIN
                47   FILE PROMT
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                1    FILE AQUASCI
                3    FILE BIOBUSINESS
               69    FILE BIOSIS
               10    FILE BIOTECHNO
               12    FILE CABA
                3    FILE CANCERLIT
               29    FILE CAPLUS
                3    FILE DDFB
                3    FILE DDFU
                3    FILE DRUGB
                7    FILE DRUGU
                1    FILE EMBAL
               68    FILE EMBASE
               24    FILE ESBIOBASE
                5    FILE FROSTI
                1    FILE FSTA
                1    FILE HEALSAFE
                2    FILE IFIPAT
                2    FILE JICST-EPLUS
                6    FILE LIFESCI
               65    FILE MEDLINE
                3    FILE NIOSHTIC
                2    FILE NTIS
               31    FILE PASCAL
                1    FILE PROMT
               57    FILE SCISEARCH
               13    FILE TOXLIT
               38    FILE USPATFULL
                1    FILE WPIDS
                1    FILE WPINDEX
L2               QUE L1 AND (ISOTOP?)(25W)(STANDARD OR CONTROL)
                 ---------

     FILE 'BIOSIS, EMBASE, MEDLINE, SCISEARCH, USPATFULL, PASCAL, CAPLUS,
     ESBIOBASE, ANABSTR, TOXLIT, CABA, BIOTECHNO, DRUGU, LIFESCI, FROSTI,
     AGRICOLA, BIOBUSINESS, CANCERLIT, DRUGB, NIOSHTIC, IFIPAT, JICST-EPLUS,
     NTIS, AQUASCI, EMBAL, FSTA, HEALSAFE, PROMT, ...' ENTERED AT 10:17:41 ON
     24 OCT 2001
L3             428 S L1 AND (ISOTOP?)(15W)(STANDARD OR CONTROL)
L4             153 S L3 AND ISOTOP?(15W)MASS
L5              71 DUP REM L4 (82 DUPLICATES REMOVED)
L6        12475955 S L4 AND LABEL?(10W)STANDARD OR CONTROL
L7              78 S L4 AND LABEL?(10W)(STANDARD OR CONTROL)
L8              31 DUP REM L7 (47 DUPLICATES REMOVED)
```

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      (FILE 'HOME' ENTERED AT 10:10:38 ON 24 OCT 2001)

      INDEX 'ADISALERTS, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,
      BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO,
CABA,
      CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,
      DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 10:10:49 ON
      24 OCT 2001
                SEA MASS SPECTRO?(25W)(ISOTOP?) AND LABEL?
                ---------
                 2   FILE ADISALERTS
                55   FILE AGRICOLA
                51   FILE ANABSTR
                 8   FILE AQUASCI
                12   FILE BIOBUSINESS
                 1   FILE BIOCOMMERCE
               423   FILE BIOSIS
                 6   FILE BIOTECHABS
                 6   FILE BIOTECHDS
                93   FILE BIOTECHNO
                79   FILE CABA
                20   FILE CANCERLIT
               792   FILE CAPLUS
                 3   FILE CEABA-VTB
                 5   FILE CEN
                 6   FILE CONFSCI
                 5   FILE CROPB
                15   FILE DDFB
                21   FILE DDFU
                15   FILE DRUGB
                31   FILE DRUGU
                 6   FILE EMBAL
               420   FILE EMBASE
               138   FILE ESBIOBASE
                17   FILE FROSTI
                 8   FILE FSTA
                 5   FILE HEALSAFE
                 8   FILE IFIPAT
                15   FILE JICST-EPLUS
                54   FILE LIFESCI
               401   FILE MEDLINE
                14   FILE NIOSHTIC
                56   FILE NTIS
                 3   FILE OCEAN
               198   FILE PASCAL
                 2   FILE PHIN
                 5   FILE PROMT
               410   FILE SCISEARCH
               206   FILE TOXLIT
               178   FILE USPATFULL
                17   FILE WPIDS
                17   FILE WPINDEX
L1              QUE MASS SPECTRO?(25W)(ISOTOP?) AND LABEL?
                ---------
                SEA L1 AND (ISOTOP?)(25W)(STANDARD OR CONTROL)
                ---------
                 3   FILE AGRICOLA
                14   FILE ANABSTR
```

different imipramine formulations, in which it was shown that to detect a 20% difference in area under the plasma concentration-time curve (with a probability of 0.8) between the 2 formulations required the use of 20 subjects, but only 3 to 4 subjects with the stable isotope method. Other studies on the relative bioavailability of different formulations have been conducted with maprotiline, verapamil and timolol. The influence of formulation factors on the absorption of benoxaprofen, dextropropoxyphene and methoxsalen have been conducted by using solutions of their stable isotopes. The major advantages of using stable isotope **labelled** drugs are: (a) that time-dependent (i.e. day-to-day) variations in drug disposition are minimised; (b) a small number of subjects are required in bioavailability studies; and (c) patients are less inconvenienced, for studies which normally require dosing on 2 occasions can now be easily accompl

ANSWER 30 OF 31 EMBASE COPYRIGHT 2001 ELSEVIER SCI. B.V.

AN 83014745 EMBASE
DN 1983014745
TI Application of stable **labelled** drugs in clinical pharmacokinetic investigations.
AU Eichelbaum M.; Von Unruh G.E.; Somogyi A.
CS Dep. Med., Univ. Bonn, Bonn, Germany
SO Clinical Pharmacokinetics, (1982) 7/6 (490-507).
CODEN: CPKNDH
CY Australia
DT Journal
FS 037 Drug Literature Index
030 Pharmacology
023 Nuclear Medicine
LA English
AB The application of stable isotope **labelled** drugs in clinical pharmacokinetic studies has rapidly increased over the past decade. **Isotopes** are atoms of the same chemical element, but differ from one another by their **mass**, due to the different number of neutrons in the nucleus. As they are not radioactive they can be administered in therapeutic doses to man. The major applications of stable **isotope labelled** drugs are as an internal **standard** in gas chromatography-**mass spectrometry** (GC-MS) analysis and as so-called 'biological internal standards'. This latter application is accomplished by administering the stable **isotope labelled** drug to man, measuring its plasma concentration and determining various pharmacokinetic parameters. Problems associated with this technique include having a suitable mass difference between **labelled** and unlabelled drug, having the **label** in the fragment ion to be monitored and exclusion of isotope effects. The applications of the technique include investigations into the pharmacokinetics and autoindication of carbamazepine metabolism in epileptic patients during long term monotherapy and combination therapy, and determination of the time course of carbamazepine disposition in children, studies of valproic acid pharmacokinetics during combined anticonvulsant therapy and during pregnancy, and the influence of valproic acid on phenobarbitone (phenobarbital) disposition. These studies have been conducted in patients by substituting the normal dose with a pulse dose of the **labelled** antiepileptic drug and hence normal therapy was continued and not withdrawn. Also, several studies have been conducted with a solution of stable **labelled** verapamil, including single dose and multiple dose pharmacokinetics, and disposition and bioavailability in liver cirrhosis and in a patient before and after construction of a mesocaval shunt. Aspects of drug metabolism have also been studied by the use of stable isotopes. These include the metabolism of procainamide and N-acetylprocainamide. Stereoselectivity of drug metabolism has been investigated using a pseudoracemate of warfarin, and the interaction of the enantiomers of warfarin with phenylbutazone and quinalbarbitone (secobarbital) has elegantly demonstrated this stereoselectivity of human drug metabolism. Absolute bioavailability studies with N-acetylprocainamide, barbitone and verapamil have been performed with stable isotopes in that both the intravenous and oral doses were given simultaneously to man. The advantage of this technique has been clearly demonstrated in a study on the relative bioavailability of 2

L5 ANSWER 1 OF 1 DRUGU COPYRIGHT 2001 DERWENT INFORMATION LTDDUPLICATE 1
AN 1986-46633 DRUGU C A
TI Drug Metabolite Identification: Stable Isotope Methods.
AU VandenHeuvel W J A
CS Merck-USA
LO Rahway, New Jersey, United States
SO J.Clin.Pharmacol. (26, No. 6, 427-34, 1986) 6 Fig. 4 Tab. 44 Ref.
CODEN: JCPCBR ISSN: 0091-2700
AV Merck Sharp & Dohme Research Laboratories, P.O. Box 2000 Rahway, NJ 07065, U.S.A.
LA English
DT Journal
FA AB; LA; CT; MPC
FS Literature
AB **Stable isotope labeling** (SIL) of drugs, in combination with MS-based methods, to facilitate the recognition and identification of metabolites, and the use of SIL derivatization reagents, e.g. bis-tms-acetamide-d18 in the structure elucidation of metabolites from unlabeled drugs via GLC-MS, are reviewed. The **isotope** peak **shift** permits generation of data applied to metabolite identification. Judicious labeling of a drug permits characterization of metabolites by MS-based recognition of **isotope** cluster signatures. Studies using SIL are exemplified by data on aminopyrine and isopropylantipyrine metabolism. Examples of the derivatization **shift** approach comprise those from studies of

L4 ANSWER 8 OF 17 USPATFULL
AN 1998:4402 USPATFULL
TI Devices and methods utilizing arrays of structures for analyte capture
IN Hansmann, Douglas D., Libertyville, IL, United States
Grace, John P., Lake Villa, IL, United States
Lowery, Michael G., Wildwood, IL, United States
Oosta, Gary M., Gurnee, IL, United States
Loomis, Neil W., Racine, WI, United States
Shain, Eric B., Glencoe, IL, United States
Schapira, Thomas G., Bristol, WI, United States
PA Abbott Laboratories, Abbott Park, IL, United States (U.S. corporation)
PI US 5707799 19980113
AI US 1994-315364 19940930 (8)
DT Utility
EXNAM Primary Examiner: Chin, Christopher L.
LREP Weinstein, David L.; Steele, Gregory W.
CLMN Number of Claims: 30
ECL Exemplary Claim: 1
DRWN 6 Drawing Figure(s); 2 Drawing Page(s)
LN.CNT 1235
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to analytical devices for determining the presence or amount of an analyte in a test sample. The analytical devices comprise an inlet port, a vent, a channel, and an array of structures. The structures have immobilized reagent covalently or non-covalently attached to the surface of the structures. The immobilized reagent captures analyte in the test sample where it is detected by a detection system. The present invention also provides methods and reagents for performing assays utilizing the analytical devices of the present invention. The present invention also provides methods of manufacturing the analytical devices of the present invention.

ANSWER 8 OF 17 USPATFULL

DETD . . . means can be used to verify an assay result. One control means comprises a confirmatory assay that is performed essentially **automatically** and simultaneously with the assay for the detection of **analyte**. In a particular embodiment, the test sample containing the **analyte** is contacted with a predetermined amount of labeled reagent to form a mixture containing an analyte/labelled reagent complex. The resulting. . . reagent is a mobile specific binding member having the same binding specificity for the labeled reagent as the test sample **analyte**. The positive **control** reagent can be either an **analyte** identical to that of the test sample or a corresponding **analyte**-analog. When the mixture contacts the positive **control** reagent zone, the positive **control** reagent is reconstituted and binds specifically with unbound labeled reagent to form a positive control reagent/labelled reagent complex. This complex migrates to the positive control capture site. The positive control capture site contains the same immobilized anti-**analyte** specific binding member as the first pathway. Therefore, the positive **control** capture site is capable of forming a detectable immobilized complex. A detectable signal at the positive control capture site confirms. . .

DETD . . . coated with 0.5 microliters (.mu.l) of a 2 milligram per milliliter (mg/ml) solution of anti-beta human thyroid stimulating hormone (hTSH) (**Abbott** Laboratories, **Abbott** Park, Ill., 60064) and incubated for 90 minutes at 37.degree. Celsius (C.). The structures are then overcoated with 1 mg/ml. . .

DETD . . . are premixed with 282 nanometer (nm) diameter orange fluorescent microparticles in solution (Molecular Probes, Inc., Eugene, Oreg., 97402)with anti-alpha hTSH (**Abbott** Laboratories) conjugated to the microparticle surface.

DETD The mixture includes 1 part of a 0.1% microparticle solution, 2 parts of IMx.RTM. diluent (**Abbott** Laboratories, **Abbott** Park, Ill.) and 6 parts of the hTSH calibrators (50 .mu.l=6 parts). The assay is run for approximately 5 minutes.